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FIG. 1

100

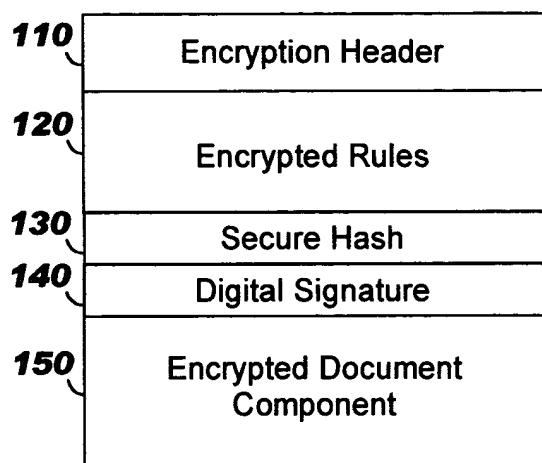
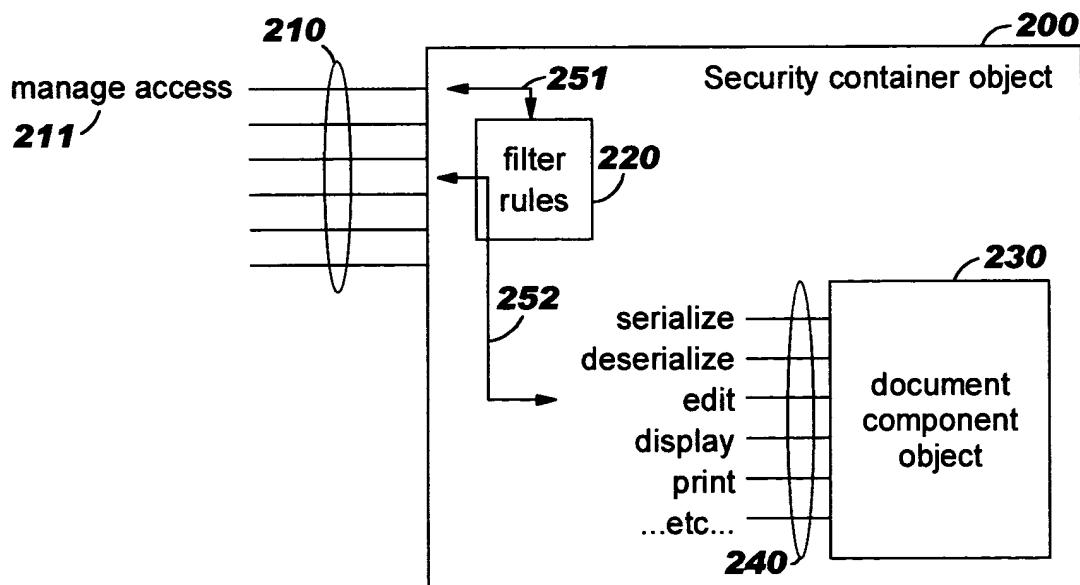


FIG. 2



**FIG. 3A**

**300**

encryption algorithm identifier	key length	optional hints for algorithm	DN of content creator	X.509 certificate (or identifier)	key object 1	key object 2	• • •	key object N
<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>	<b>370</b>		<b>390</b>

**FIG. 3B**

**301**

**302**    **311**    **321**    **341**

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<encrypt:class type="3DES" len="168" creatorDN="cn=Joe,ou=developers,o=acme" creatorCertif=" ... ">

**361**    <encrypt:key  
 DN="cn=managers,ou=groups,o=acme"  
 KeyIdentifier="MIIGEjCCBbygAwIBAgIKFZrHywAQ"  
 Ekey="QAAAAAAZANBgkqhkiG9w0BAQUFAD"/>

**371**    <encrypt:key  
 DN="cn=E135246,ou=users,o=acme"  
 KeyIdentifier="CSqGSib3DQEJARYbYm9zc0BicnFQ"  
 Ekey="QudGlucmFsZWlnaC5pYm0uY29IMQ"/>

**391**    <encrypt:key  
 DN="cn=hr,ou=groups,o=acme"  
 KeyIdentifier="DlbQzc0BEYbCicnFSqGS3YJmARR9Q"  
 Ekey="dpYmGmFsZWaCc50u9intMYlu2QuQ"/>

</encrypt:class>

**351**

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FIG. 4A

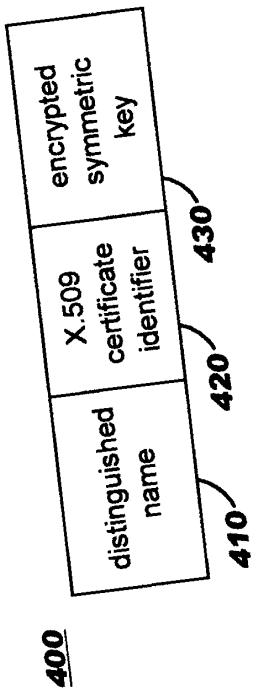
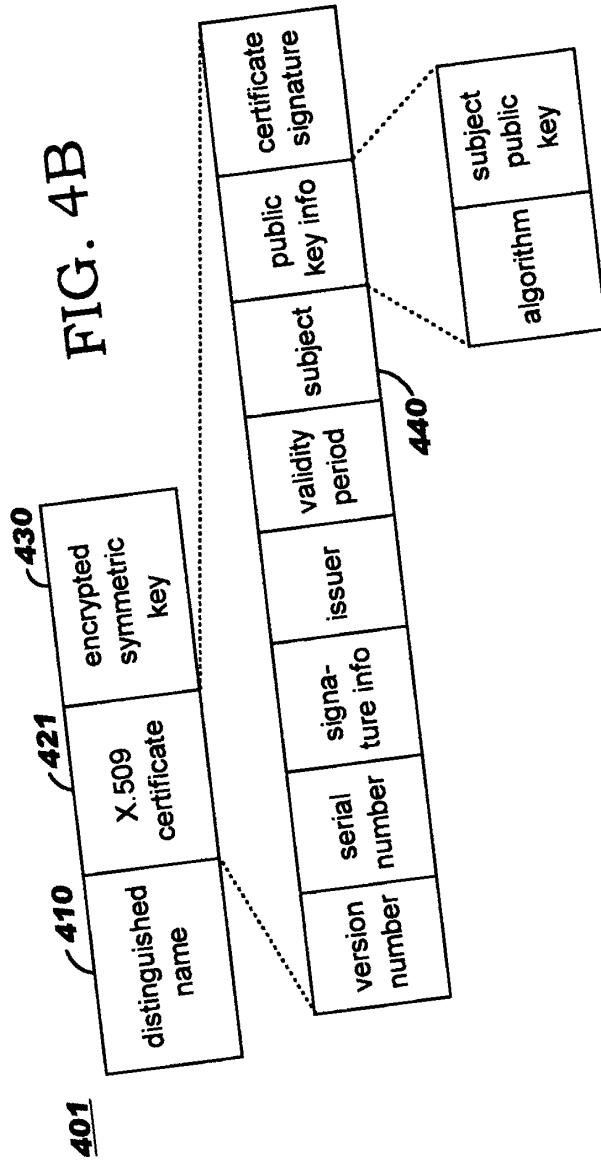
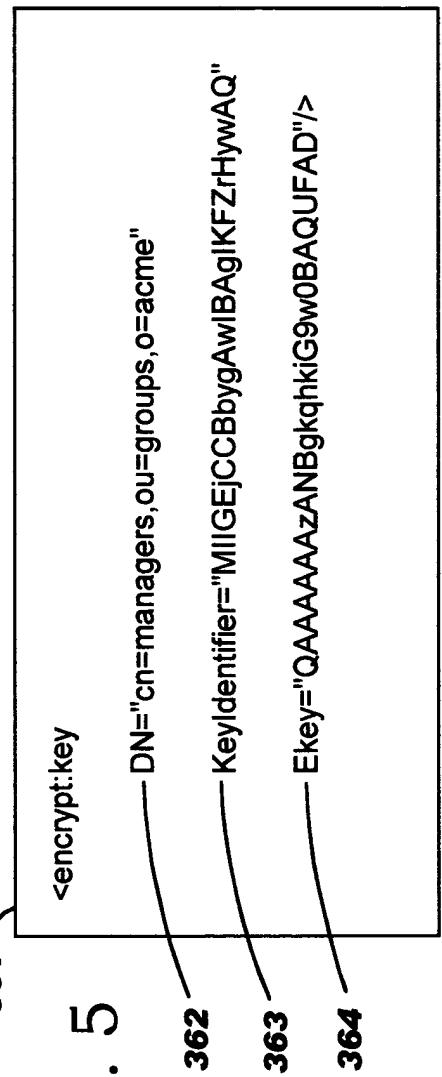


FIG. 4B



**FIG. 5**



**FIG. 6**

Diagram illustrating annotations for FIG. 6:

- 600** points to the `<employee_record>` element.

```
<employee_record>
<empl_name>
  John Q. Smith
</empl_name>
<ser_nbr ">
  E135246
</ser_nbr>
<date_of_hire>
  01/01/1980
</date_of_hire>
<curr_salary>
  123.45
</curr_salary>
<medical_condition>
  diabetic
</medical_condition>
</employee_record>
```

## FIG. 7

**700**

```
<encrypt:class type="3DES" len="168" creatorDN="..."  
creatorCertif="...">>  
    <encrypt:key  
        DN="cn=managers,ou=groups,o=acme"  
        KeyIdentifier="MIIGEjCCBbygAwIBAgIKFZrHywAQ"  
        Ekey="QAAAAAAzANBgkqhkiG9w0BAQUFAD"/>  
    <encrypt:key  
        DN="cn=E135246,ou=users,o=acme"  
        KeyIdentifier="CSqGS1b3DQEJARYbYm9zc0BicnFQ"  
        Ekey="QudGlucmFsZWlnaC5pYm0uY29tMQ"/>  
    <encrypt:key  
        DN="cn=hr,ou=groups,o=acme"  
        KeyIdentifier="D1bQzc0BEYbCicnFSqGS3YJmAR9Q"  
        Ekey="dpYmGmFsZWaCc50u9IntMYIu2QuQ"/>  
  </encrypt:class>  
  
  710 {  
    <encrypt:rules>  
      - encrypted version of container's rules --  
    </encrypt:rules>  
  
  720 {  
    <encrypt:hash>  
      - secure hash over container's rules --  
    </encrypt:hash>  
  
  730 {  
    <encrypt:digitalSignature>  
      - digital signature over encryption header and rules --  
    </encrypt:digitalSignature>  
  
  740 {  
    <encrypt:documentComponent>  
      - encrypted document component --  
    </encrypt:documentComponent>
```

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FIG. 8

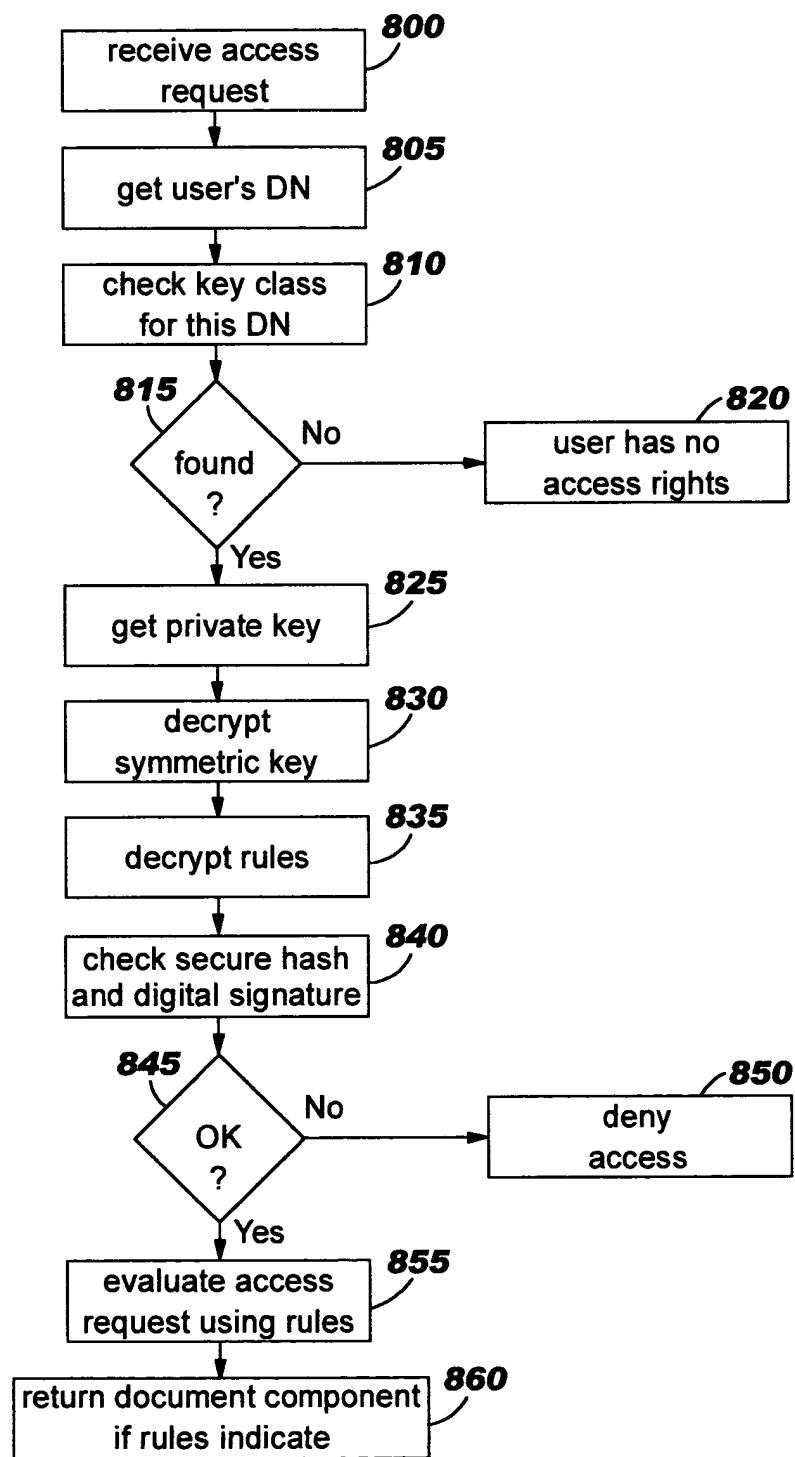


FIG. 9

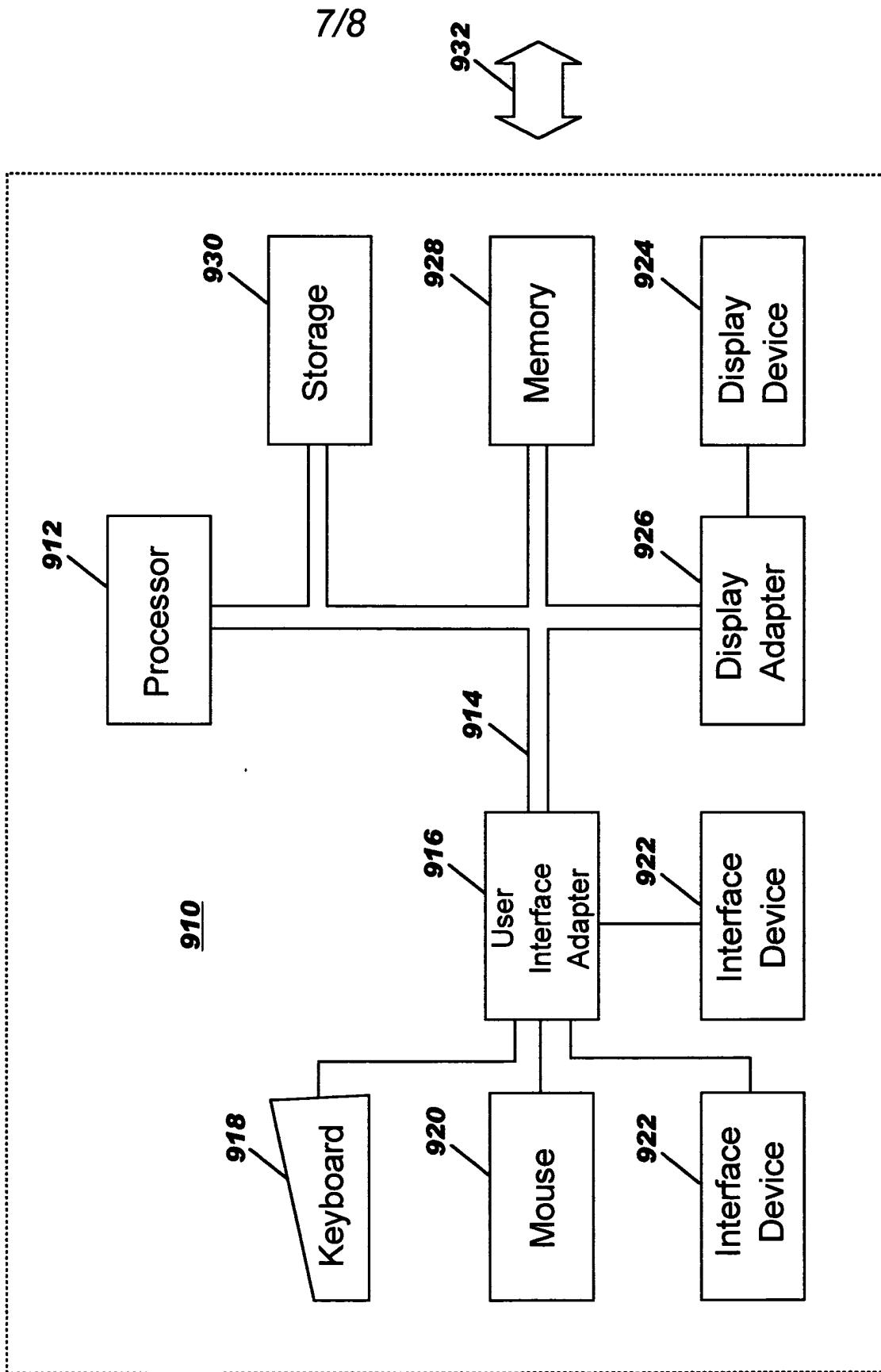


FIG. 10  
(Prior Art)

